



12. A company makes yellow golf balls and white golf balls. The table shows the company's sales of yellow golf balls for the last 3 years.

Yellow Golf Balls

Year	Number of Yellow Golf Balls Sold
1	204,132
2	225,624
3	237,108

- The company expects sales of yellow golf balls to continue to increase in year 4.
- The company also expects the ratio of yellow golf ball sales to white golf ball sales in year 4 to be about 1 : 5.
- The average selling price of a box of 12 yellow or 12 white golf balls is \$23.94.

Estimate the company's total sales, in dollars, of golf balls in year 4. Show all your work. Explain how you determined your estimate.

Enter your estimate, your work, and your explanation in the space provided.

PARCC practice HW:

Name: _____

DATE: _____

1. Use the information provided to answer Part A and Part B for question 1.

The ratio of the sales tax to the amount of a purchase is a fixed number in Town Q. The table shows the sales tax for a purchase of \$1,200.

Town Q Tax

Purchase	Sales Tax
\$1,200	\$72
\$2,500	?
?	\$108

Part A

What is the sales tax for a purchase of \$2,500?

- (A) \$18.06
- (B) \$34.72
- (C) \$144.00
- (D) \$150.00

Part B

What is the cost of an item with a sales tax of \$108?

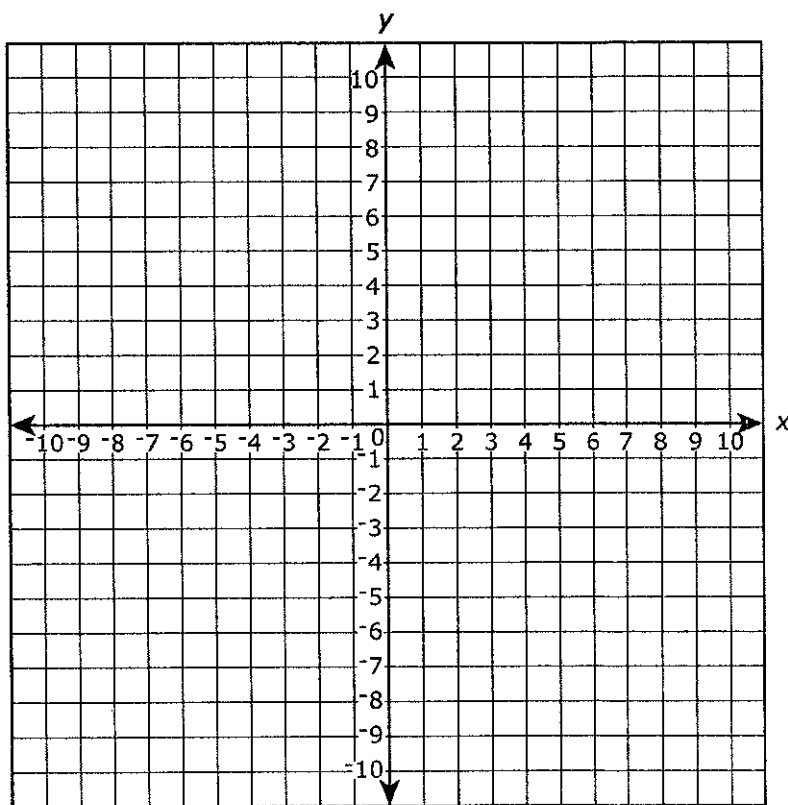
- (A) \$432
- (B) \$648
- (C) \$1,092
- (D) \$1,800

2011 City planners are creating a neighborhood map on a coordinate plane. The table shows the locations of the neighborhood library and school on a coordinate plane.

Neighborhood Planning

Building	Location
Library	$(-4, -6)$
School	$(5, -6)$

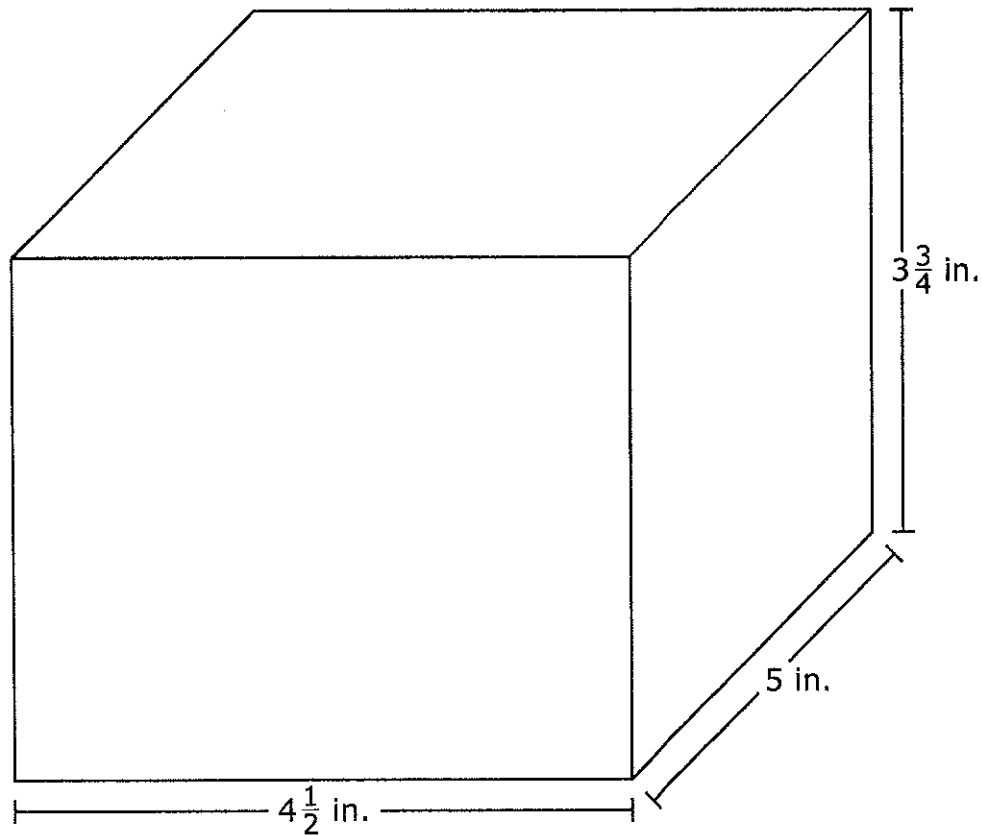
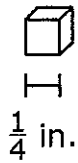
In this coordinate plane, the distance between each gridline represents 1 mile. What is the distance in miles between the library and the school? You can use the coordinate plane to help you find the answer by plotting the two points.



Enter your answer in the box.

[illegible]

3. Small cubes with edge lengths of $\frac{1}{4}$ inch will be packed into the right rectangular prism shown.



How many small cubes are needed to completely fill the right rectangular prism?

Enter your answer in the box.

[illegible]

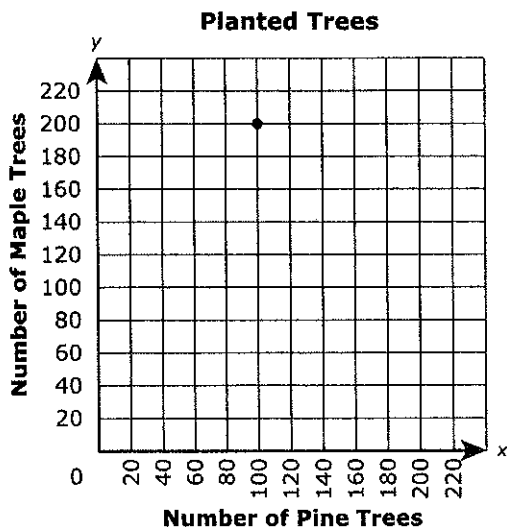


4.

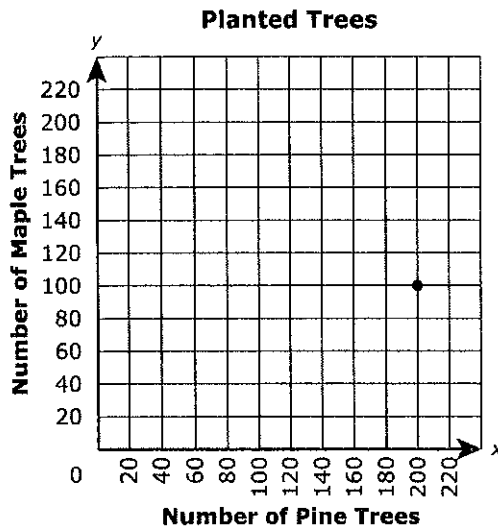
A total of 300 pine and maple trees will be planted in a park. There will be 2 pine trees planted for every 3 maple trees planted.

Which coordinate plane shows a point that represents the number of pine trees planted and the number of maple trees planted?

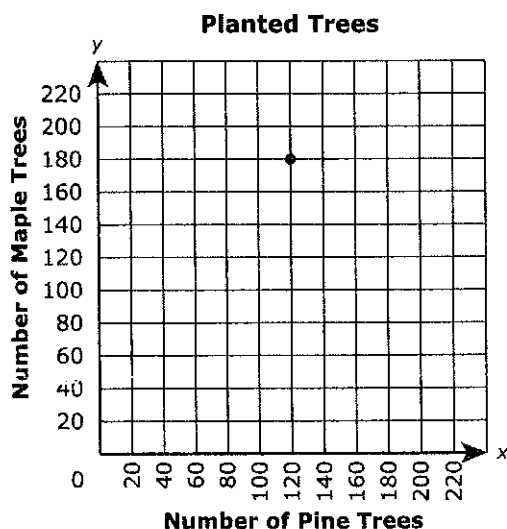
(A)



(B)



(C)



(D)

